

LIST OF PRIOR ART CITED BY
APPLICANT

(PTO-1449)

ATTY. DOCKET NO.
UIOWA-8P4D1APPLN. SERIAL NO.
09/661,153APPLICANT(S)
Matthew A. Howard, IIIFILING DATE
September 13, 2000GROUP
To be assigned

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
1/10/00	5,554,643	09/10/96	Horwell, et al.	514	419	
	5,540,734	07/30/96	Zabara	607	46	
	5,523,306	06/04/96	Horwell, et al.	514	310	
	5,443,710	08/22/95	Broderick	204	403	
	5,399,565	03/21/95	Greenwood, et al.	514	314	
	5,397,788	03/14/95	Horwell, et al.	514	307	
	5,373,095	12/13/94	Johnson, et al.	540	95	
	5,365,939	11/22/94	Ochs	128	732	
	5,340,802	08/23/94	Shiosaki, et al.	514	18	
	5,332,401	07/26/94	Davey, et al.	607	116	
	5,298,622	03/29/94	Portoghese et al.	546	15	
	5,263,480	11/23/93	Wernicke, et al.	607	118	
	5,262,178	11/16/93	Camine, et al.	424	94.67	
✓	5,188,104	02/23/93	Wernicke, et al.	128	419R	

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Dieckman G, Schneider H. "Influence of Stereotactic Hypothalamotomy on Alcohol and Drug Addiction." Appl. Neurophysiol. 41:93-98, 1978

Mayanagi Y, Hori T, Sano K. "The Posteromedial Hypothalamus and Pain, Behavior, with Special Reference to Endocrinological Findings." Appl. Neurophysiol 41:223-231, 1978

Nakao H. "Emotional behavior produced by hypothalamic stimulation", Am J Physiol 194:411-418, 1958

Sano K. "Effects of Stimulation and Destruction of the Posterior Hypothalamus in Cases of Behaviour Disorders and Epilepsy." Special topics in stereotaxis, Berlin Symposium 1970. Hippokrates Verlag Stuttgart.

Bielajew C, Stenger J, Schindler D. "Factors that contribute to the reduced weight gain following chronic ventromedial hypothalamic stimulation." Behavioral Brain Research 62:143-148, 1994.

Stenger J, Fournier T, Bielajew C. "The Effects of Chronic Ventromedial Hypothalamic Stimulation on Weight Gain in Rats." Physiol. Behav. 50:1209-1213, 1991.

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SHEET 2 OF 7

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED
<i>William L. Smith</i>	<i>5/14/12</i>

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EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>KSL</i>	4,357,497	11/02/82	Hochmair et al.	179	107E	
<i>KSL</i>	4,969,468	11/13/90	Byers et al.	128	642	
<i>KSL</i>	5,496,369	03/05/96	Howard, III	623	10	
<i>KSL</i>	5,099,846	03/31/92	Hardy	128	653.1	
<i>KSL</i>	5,254,105	10/19/93	Haaga	604	265	
<i>KSL</i>	5,250,033	10/05/93	Evans et al.	604	160	
<i>KSL</i>	5,389,101	02/14/95	Heilbrun et al.	606	130	
<i>KSL</i>	5,429,582	07/04/95	Williams	600	2	
<i>KSL</i>	4,850,359	07/25/89	Putz	128	642	
<i>KSL</i>	5,328,460	07/12/94	Lord et al.	604	67	
<i>KSL</i>	4,735,968	04/05/88	Guth	514	561	
<i>KSL</i>	4,360,019	11/23/82	Portner et al.	128	213R	
<i>KSL</i>	4,490,137	12/25/84	Moukheibir	604	28	

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
<i>KSL</i>	0,259,906	03/16/88	EP				
<i>KSL</i>	0,158,397	10/1985	EPO				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>KSL</i>	James P. Morgan, "The First Reported Case of Electrical Stimulation of the Human Brain," J. Hist. Med., January, 1982, pp. 51-63
<i>KSL</i>	A. Earl Walker, "The Development of the Concept of Cerebral Localization in the Nineteenth Century," Bulletin His. Med., Vol. 31, No. 2, March-April, 1957, pp. 99-121.
<i>KSL</i>	Penfield et al., "Somatic Motor and Sensory Representation in the Cerebral Cortex of Man as Studied by Electrical Stimulation," Brain, Vol. 60, 1937, pp. 389-443.
<i>KSL</i>	Penfield et al., "The Brain's Record of Auditory and Visual Experience," Brain, Vol. 86, December 1963, pp. 596-696.
<i>KSL</i>	Dobelle et al., "Artificial Vision for the Blind: Electrical Stimulation of Visual Cortex Offers Hope for a Functional Prosthesis," Science, Vol. 183, 1974, pp. 440-444.
<i>KSL</i>	Dobelle et al., "A Prosthesis for the Deaf Based on Cortical Stimulation," Ann. Otol., Vol. 82, 1973, pp. 445-463.
EXAMINER	<i>K. S. L.</i>
DATE CONSIDERED	<i>5/14/02</i>

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Kdc	5,221,283	06/22/93	Chang	606	130	
	4,907,589	03/13/90	Cosman	606	34	
	5,341,807	08/30/94	Nardella	128	642	
	5,385,560	01/31/95	Wulf	604	264	
	5,405,375	04/11/95	Ayers et al.	607	122	
	4,892,102	01/9/90	Astrinsky	128	642	
	5,429,131	07/04/95	Scheinman et al.	128	642	
	5,642,544	10/03/95	Saksena et al.	606	15	
	5,584,847	12/17/96	Dulucio et al.	606	185	
	5,380,288	01/10/95	Hart et al.	604	167	
	5,582,609	12/10/96	Swanson et al.	606	39	
	3,147,750	09/08/64	Fry	128	2.1	
	5,176,652	01/05/93	Littrell	604	167	
	5,385,146	01/31/95	Goldreyer	128	642	
	5,545,193	08/13/96	Fleischman	607	99	
	5,545,219	08/13/96	Kuzma	623	10	
	4,461,304	07/24/84	Kuperstein	128	642	

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Kdc	Cohen et al., "A Prospective, Randomized Study of Cochlear Implants," N.E. J. of Med., Vol. 328, No. 4, January 1993, pp. 233-237.
Kdc	Eisenberg et al., "Electrical Stimulation of the Auditory Brain Stem Structure in Deafened Adults," J. Rehab. Research, Vol. 24, No. 3, 1987, pp. 9-22.
Kdc	Center for Integrated Sensors and Circuits, "Passive Multichannel Recording and Stimulating Electrode Arrays: A Catalog of Available Designs", July 1991.
	Medtronic, "The ITREL® II, The third generation of excellence, (1991).
Kdc	Eggermont, "Neural Interaction in Cat Primary Auditory Cortex," 10/92; pp 1216-1228 J. of Neurophysiology, Vol. 68, NO. 4.
	Bak, M. et al., "Visual Sensations produced by Intracortical Microstimulation of the Human Occipital Cortex, Med. Biol. Eng. Comput., 28:257-259 (1990).


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	4,154,247	5-1979	O'Neill	607	125	
	5,582,609	12-1996	Swanson et al.	606	39	
	4,892,102	1-1990	Astrinsky	600	374	
	5,551,426	9-1996	Hummel et al.	600	374	
	4,244,362	1-1981	Anderson	600	585	
	5,462,544	10-1995	Saksena et al.	606	15	
	5,536,267	7-1996	Edwards et al.	606	41	
	5,429,161	7-1995	Scheinman et al.	600	374	MAY 08 2000
	5,119,832	6-1992	Xavier	607	117	TECHNOLOGY CENT
	5,341,807	8-1994	Nardella	600	381	
	5,417,207	5-1995	Young et al.	600	323	
	4,172,451	10-1979	Kline	600	374	
	4,522,212	6-1985	Gelinas et al.	600	374	
	5,855,576	6-1999	LeVeen et al.	606	41	
	5,702,429	12-1997	King	607	116	
	5,327,889	7-1994	Imran	600	585	
	5,983,126	11-1999	Wittkampf	600	509	
	4,565,200	1-1986	Cosman	600	585	
	5,487,739	1-1996	Aebischer et al.	604	890.1	

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EXAMINER:

Handwritten signature: Robert P. Ansd...

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Handwritten date: 5/14/02